

## ABSTRACT OF THE DISCLOSURE

Provided is an automatic tracking method for a golf swing, the following steps of: attaching colored marks onto a golfer and a golf club; adopting a specific still image  
5 as a reference image to store reference color information and coordinate data of each of the marks; setting, on a search range, which is a region including the position of the mark predicted on the next image and setting a color  
10 range of each mark that is an allowable range, in which colors can be regarded as the same as reference color information regarding a pixel, as a position of a mark, in a case where the absolute value of a difference between the still image being considered on which a differential  
15 processing has been conducted with the background image in the search range and the reference color information falls within the color range and is the minimum.